In the Specification:

On page 1, paragraph 2 amend as follows:

The process scheduler is implemented by a data processing system, and the scheduling method is provided in the ~~form of~~ form of a program. Plural scheduling policies are prepared in an operating system employed in the data processing system for scheduling processes or tasks. A process scheduler is disclosed in Japanese Patent Publication of Unexamined Application No. 9-54699, and is hereinbefore referred to as "first prior art". Another process scheduler is disclosed in Section 4.6 "Process Scheduling" of a book entitled as "Miracle of UNIX Kernel/ Architecture of System V Release 4". The UNIX architecture is hereinbelow referred to as "second prior art".

On page 8, paragraph 2 amend as follows:

The manager 104 for process schedulers stores pieces of data information unique to the process schedulers 101/ 102. A piece of data information is, by way of example, representative of a starting address of a process schedule program to ~~implement~~ implement an associated one of the process schedulers 101/ 102. Plural process managers are under the supervision of the manager 104. In this instance, the process manager A 101 and the process manager B 102 are under the supervision of the manager 104. When the user process is to be changed, the selector 105 for process schedulers selects one of the process schedulers 101/ 102 under the supervision of the manager 104, and the selected process scheduler 101/ 102 selects a user process to be processed, and executes the process schedule program for the selected user process.

On page 12, paragraph 2 amend as follows:

On the other hand, when the piece of data information is representative of a starting ~~address of~~ address of a process schedule program, the answer is given negative. The piece of data information specified by index "1" represents the starting address of process schedule program to implement the process scheduler A. Then, the control proceeds to step S304, and the control is branched to the process schedule program to implement the process scheduler A 101.

On page 13, paragraph 2 amend as follows:

Assuming now that the process managers A and B supervise the user process 120 and the user processes 121/ 122, respectively, the process changer 106 retains the context of a user process presently processed (see step S201), and calls the selector 105 into execution (see step S202). The selector 105 moves the index to the head position (see step S301), and fetches the piece of data information from the memory location specified by index "1" (see step S302). The piece of data information is representative of the starting address of the program for the process scheduler A 101, and the answer at step ~~S302~~ S303 is given negative.

On page 14, paragraph 1 amend as follows:

On the other hand, if the user process A 120 is not scheduled, the process scheduler A 101 does not notify any user process to the selector 105, and the answer at step S305 is given negative. The selector 105 increments the index to "2". The index "2" specifies the second memory location of the administrative table, and the piece of data information represents the starting address of the program for the process scheduler B 102. The program is executed, and the process scheduler B 102 checks the user processes B 121/ 122 to see whether any one of the user processes B has been scheduled for processing. If the process scheduler B 102 finds a user process B 121 or 122 to be processed, the process scheduler B 102 notifies the piece of data information representative of the user process B 121 or 122 to the selector 105, and the answer at step S 305 is given affirmative. However, if the process scheduler B 102 does not find any user process to be processed, the answer at step S305 is given negative, and the selector 105 increments the index to "3". The index "3" specifies the third memory location of the administrative table. The third memory location is free. Then the answer at step S303 is given ~~negative~~affirmative, and the selector 105 transfers the control to the process changer 106.